OIPE

RAW SEQUENCE LISTING

DATE: 07/25/2001

PATENT APPLICATION: US/09/832,648

TIME: 16:24:11

Input Set : A:\55669z.txt

Output Set: N:\CRF3\07252001\I832648.raw

	Output Set: N: \CRF3\0/252001\1632646.Faw	
_	ALLO, ADDITIONAL OFFICE OF A	ENTERED
	<110> APPLICANT: STEIN, CY A	
	<120> TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-	-XL
	<130> FILE REFERENCE: 0575/55669Z	
	<140> CURRENT APPLICATION NUMBER: 09/832,648	
	<141> CURRENT FILING DATE: 2001-04-11	
	<150> PRIOR APPLICATION NUMBER: 09/109,614	
	<151> PRIOR FILING DATE: 1998-07-02	
	<160> NUMBER OF SEQ ID NOS: 37	•
	<170> SOFTWARE: PatentIn version 3.1	
19	<210> SEQ ID NO: 1	
20	<211> LENGTH: 20	
21	<212> TYPE: DNA	
22	<213> ORGANISM: Artificial Sequence	
24	<220> FEATURE:	
25	<223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
. 27	<400> SEQUENCE: 1	
28	ctcaaccagt ccattgtcca	20
	<210> SEQ ID NO: 2	
	<211> LENGTH: 20	
33	<212> TYPE: DNA	
	<213> ORGANISM: Artificial Sequence	
	<220> FEATURE:	
37	<223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
	<400> SEQUENCE: 2	
	tcccggttgc tctgagacat	20
	<210> SEQ ID NO: 3	
	<211> LENGTH: 20	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial Sequence	
	<220> FEATURE:	
	<pre>&lt;223&gt; OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE</pre>	
	<400> SEQUENCE: 3	
	gccacagtca tgcccgtcag	20
	<210> SEQ ID NO: 4	20
	<210 SEQ 10 NO. 4 <211> LENGTH: 20	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial Sequence	
	<220> FEATURE:	•
	<pre>&lt;220  FEATORE. &lt;223&gt; OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE</pre>	
	<400> SEQUENCE: 4	20
	ctgcgatccg actcaccaat	20
	<210> SEQ ID NO: 5	
	<211> LENGTH: 18	
	<212> TYPE: DNA	
	<pre>&lt;213&gt; ORGANISM: Artificial Sequence</pre>	
	<220> FEATURE: <222> OTHER INFORMATION: ANTISENSE OF LONGIC FOTTER	
13	<223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	

RAW SEQUENCE LISTING DATE: 07/25/2001 PATENT APPLICATION: US/09/832,648 TIME: 16:24:11

Input Set : A:\55669z.txt

Output Set: N:\CRF3\07252001\1832648.raw

75 <400> SEQUENCE: 5	
76 agtcctgttc tcttccac	18
79 <210> SEQ ID NO: 6	
80 <211> LENGTH: 18	
81 <212> TYPE: DNA	
82 <213> ORGANISM: Artificial Sequence	
84 <220> FEATURE:	
85 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
87 <400> SEQUENCE: 6	
88 ctttactgct gccatggg	18
91 <210> SEQ ID NO: 7	
92 <211> LENGTH: 20	
93 <212> TYPE: DNA	
94 <213> ORGANISM: Artificial Sequence	
96 <220> FEATURE:	
97 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
99 <400> SEQUENCE: 7	
100 cgccgttctc ctggatccaa	20
103 <210> SEQ ID NO: 8	
104 <211> LENGTH: 18	
105 <212> TYPE: DNA	
106 <213> ORGANISM: Artificial Sequence	
108 <220> FEATURE:	
109 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
111 <400> SEQUENCE: 8	18
112 ctgactccag ctgtatcc 115 <210> SEQ ID NO: 9	10
116 <211> LENGTH: 18	
117 <212> TYPE: DNA	
118 <213> ORGANISM: Artificial Sequence	
120 <220> FEATURE:	
121 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
123 <400> SEQUENCE: 9	
124 ggtctccatc tccgattc	18
127 <210> SEQ ID NO: 10	
128 <211> LENGTH: 18	
129 <212> TYPE: DNA	
130 <213> ORGANISM: Artificial Sequence	
132 <220> FEATURE:	
133 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
135 <400> SEQUENCE: 10	
136 cctggggtga tgtggagc	18
139 <210> SEQ ID NO: 11	
140 <211> LENGTH: 18	
141 <212> TYPE: DNA	
142 <213> ORGANISM: Artificial Sequence	
144 <220> FEATURE:	
145 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
147 <400> SEQUENCE: 11	

RAW SEQUENCE LISTING DATE: 07/25/2001 PATENT APPLICATION: US/09/832,648 TIME: 16:24:11

Input Set : A:\55669z.txt

Output Set: N:\CRF3\07252001\1832648.raw

148	agttccacaa aagtatcc	18
151	<210> SEQ ID NO: 12	
152	<211> LENGTH: 18	
153	<212> TYPE: DNA	
154	<213> ORGANISM: Artificial Sequence	
156	<220> FEATURE:	
157	<223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
159	<400> SEQUENCE: 12	
160	ctttcggctc tcggctgc	18
163	<210> SEQ ID NO: 13	
164	<211> LENGTH: 18	
165	<212> TYPE: DNA	
166	<213> ORGANISM: Artificial Sequence	
168	<220> FEATURE:	
169	<223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
171	<400> SEQUENCE: 13	
172	aaccagcggt tgaagcgt	18
	<210> SEQ ID NO: 14	
176	<211> LENGTH: 20	
177	<212> TYPE: DNA	
178	<213> ORGANISM: Artificial Sequence	
180	<220> FEATURE:	
181	<223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE	
183	<220> FEATURE:	
184	<221> NAME/KEY: misc binding	
	<222> LOCATION: (1)(4)	
	<223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE	
	<220> FEATURE:	
190	<pre>&lt;221&gt; NAME/KEY: misc binding</pre>	
	<222> LOCATION: (6)(7)	
	<223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE	
195	<220> FEATURE:	
196	<221> NAME/KEY: misc_binding	
	<222> LOCATION: (10)(12)	
	<223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE	
201	<220> FEATURE:	
202	<221> NAME/KEY: misc binding	
	<222> LOCATION: (14)(15)	
	<223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE	
207	<220> FEATURE:	
208	<221> NAME/KEY: misc binding	
	<222> LOCATION: (17)(20)	
	<223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE	
	<400> SEQUENCE: 14	
	ctcaaccagt ccattgtcca	20
	<210> SEQ ID NO: 15	
	<211> LENGTH: 20	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial Sequence	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/832,648

DATE: 07/25/2001 TIME: 16:24:11

Input Set : A:\55669z.txt

Output Set: N:\CRF3\07252001\I832648.raw

- 222 <220> FEATURE:
- 223 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
- 225 <220> FEATURE:
- 226 <221> NAME/KEY: misc binding
- 227 <222> LOCATION: (1)..(4)
- 228 <223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
- 231 <220> FEATURE:
- 232 <221> NAME/KEY: misc binding
- 233 <222> LOCATION: (6)..(7)
- 234 <223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
- 237 <220> FEATURE:
- 238 <221> NAME/KEY: misc\_binding
- 239 <222> LOCATION: (10)..(12)
- 240 <223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
- 243 <220> FEATURE:
- 244 <221> NAME/KEY: misc binding
- 245 <222> LOCATION: (14)..(15)
- 246 <223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
- 249 <220> FEATURE:
- 250 <221> NAME/KEY: misc binding
- 251 <222> LOCATION: (17)..(20)
- 252 <223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
- 255 <220> FEATURE:
- 256 <221> NAME/KEY: modified\_base
- 257 <222> LOCATION: (1)..(1)
- 258 <223> OTHER INFORMATION: PROPYNYL dC
- 261 <220> FEATURE:
- 262 <221> NAME/KEY: modified base
- 263 <222> LOCATION: (2)..(2)
- 264 <223> OTHER INFORMATION: PROPYNYL dT
- 267 <220> FEATURE:
- 268 <221> NAME/KEY: modified base
- 269 <222> LOCATION: (3)..(3)
- 270 <223> OTHER INFORMATION: PROPYNYL dC
- 273 <220> FEATURE:
- 274 <221> NAME/KEY: modified\_base
- 275 <222> LOCATION: (6)..(6)
- 276 <223> OTHER INFORMATION: PROPYNYL dC
- 279 <220> FEATURE:
- 280 <221> NAME/KEY: modified\_base
- 281 <222> LOCATION: (7)..(7)
- 282 <223> OTHER INFORMATION: PROPYNYL dC
- 285 <220> FEATURE:
- 286 <221> NAME/KEY: modified base
- 287 <222> LOCATION: (10)..(10)
- 288 <223> OTHER INFORMATION: PROPYNYL dT
- 291 <220> FEATURE:
- 292 <221> NAME/KEY: modified\_base
- 293 <222> LOCATION: (11)..(12)

RAW SEQUENCE LISTING

DATE: 07/25/2001

PATENT APPLICATION: US/09/832,648

TIME: 16:24:11

20

20

Input Set : A:\55669z.txt

Output Set: N:\CRF3\07252001\1832648.raw

- 294 <223> OTHER INFORMATION: PROPYNYL dC
- 297 <220> FEATURE:
- 298 <221> NAME/KEY: modified base
- 299 <222> LOCATION: (14)..(15)
- 300 <223> OTHER INFORMATION: PROPYNYL dT
- 303 <220> FEATURE:
- 304 <221> NAME/KEY: modified base
- 305 <222> LOCATION: (17)..(17)
- 306 <223> OTHER INFORMATION: PROPYNYL dT
- 309 <220> FEATURE:
- 310 <221> NAME/KEY: modified base
- 311 <222> LOCATION: (18)..(19)
- 312 <223> OTHER INFORMATION: PROPYNYL dT
- 315 <400> SEQUENCE: 15
- 316 ctcaaccagt ccattgtcca
- 319 <210> SEQ ID NO: 16
- 320 <211> LENGTH: 20
- 321 <212> TYPE: DNA
- 322 <213> ORGANISM: Artificial Sequence
- 324 <220> FEATURE:
- 325 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
- 327 <220> FEATURE:
- 328 <221> NAME/KEY: misc\_binding
- 329 <222> LOCATION: (1)..(4)
- 330 <223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
- 333 <220> FEATURE:
- 334 <221> NAME/KEY: misc binding
- 335 <222> LOCATION: (7)..(8)
- 336 <223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
- 339 <220> FEATURE:
- 340 <221> NAME/KEY: misc binding
- 341 <222> LOCATION: (10)..(13)
- 342 <223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
- 345 <220> FEATURE:
- 346 <221> NAME/KEY: misc binding
- 347 <222> LOCATION: (17)..(20)
- 348 <223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
- 351 <400> SEQUENCE: 16
- 352 teceggttge tetgagaeat
- 355 <210> SEQ ID NO: 17
- 356 <211> LENGTH: 20
- 357 <212> TYPE: DNA
- 358 <213> ORGANISM: Artificial Sequence
- 360 <220> FEATURE:
- 361 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
- 363 <220> FEATURE:
- 364 <221> NAME/KEY: misc\_binding
- 365 <222> LOCATION: (1)..(4)
- 366 <223> OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/832,648

DATE: 07/25/2001

TIME: 16:24:12

Input Set : A:\55669z.txt
Output Set: N:\CRF3\07252001\1832648.raw